



UNITED STATES DEPARTMENT OF COMMERCE

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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. |
|-----------------|-------------|----------------------|---------------------|
| 08/7735,705 | 10/23/96 | ANDERSON | E PI9617513 |

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EXAMINER

HOLI

ART UNIT
2712

PAPER NUMBER

5

DATE MAILED: 03/10/98

Please find below and/or attached an Office communication concerning this application or proceeding.

See attached

Commissioner of Patents and Trademarks

Office Action Summary

Application No.
08/735,705

Applicant(s)

Aerson et al

Examiner

TUAN HO

Group Art Unit

2712



Responsive to communication(s) filed on _____.

This action is FINAL.

Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

Claim(s) 1-20 is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

Claim(s) _____ is/are allowed.

Claim(s) 1, 6, 11, and 16 is/are rejected.

Claim(s) 2-5, 7-10, 12-15, and 17-20 is/are objected to.

Claims _____ are subject to restriction or election requirement.

Application Papers

See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

The drawing(s) filed on _____ is/are objected to by the Examiner.

The proposed drawing correction, filed on _____ is approved disapproved.

The specification is objected to by the Examiner.

The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

All Some* None of the CERTIFIED copies of the priority documents have been

received.

received in Application No. (Series Code/Serial Number) _____.

received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____.

Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

Notice of References Cited, PTO-892

Information Disclosure Statement(s), PTO-1449, Paper No(s). 2 and 3

Interview Summary, PTO-413

Notice of Draftsperson's Patent Drawing Review, PTO-948

Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

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1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 6 and 16 are rejected under 35 U.S.C. 102(b) as being by Takemoto et al '246.

With regard to claim 1, Takemoto et al discloses in Fig. 7, an electronic camera which comprises the same system for correlating processing and information (system controller shown in Fig. 7 correlating processing data and information, col. 6, lines 43+), capturing device for gathering the information (image pickup device CCD 35 captures an image signal of an object via lens 37 and shutter 38, col. 7, line 8-10), manager device coupled to the capturing device for building a data cell containing the processing data and for linking the data cell to the information (system controller 46 coupled to the image pickup device 35, which works in conjunction with operation part 19 and memory controller 41, build and store compressed image data in a memory 33, wherein the memory 33 contains an area in which a coding system attribute code indicating whether or not the image data is compressed, and compression system if in the affirmative, col. 8, lines 50-63 and Fig. 10; note that the coding system attribute code is used to decompress the compressed data in reproduction mode, col. 8, lines 63+), and processing device coupled to the capturing device for processing data within the data cell as claimed (compression and expansion part 47 and 48 coupled to the image pickup device 35 process the readout data from the memory

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in reproduction mode so as to expand the compressed image data for displaying, col. 8, lines 63-68, and col. 9, lines 33-68 and col. 10, lines 1-26. Note that in order to expand the compressed image data, the compression and expansion part 47 and 48 need to get compression data from the attribute code in file header).

Claim 6 is a method claim which corresponds to apparatus claim 1 and is analyzed as previously discussed with respect to apparatus claim 1.

With regard to claim 16, Takemoto et al discloses in Fig. 7, an electronic camera which comprises the same system for correlating processing and information (system controller shown in Fig. 7 correlating processing data and information, col. 6, lines 43+), means for gathering the information using a capturing device (image pickup device CCD 35 captures an image signal of an object via lens 37 and shutter 38, col. 7, line 8-10), means for building a data cell using a manager device, the data cell containing the processing data, and means for linking the data cell to the information (system controller 46 coupled to the image pickup device 35, which works in conjunction with operation part 19 and memory controller 41, builds and stores compressed image data in a memory 33, wherein the memory 33 contains an area in which a coding system attribute code indicating whether or not the image data is compressed, and compression system if in the affirmative, col. 8, lines 50-63 and Fig. 10; note that the coding system attribute code is used to decompress the compressed data in reproduction mode, col. 8, lines 63+), and means for processing the information using the processing data within the data cell as claimed (compression and expansion part 47 and 48 coupled to the image pickup device 35 process the readout data

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form the memory in reproduction mode so as to expand the compressed image data for displaying, col. 8, lines 63-68, and col. 9, lines 33-68 and col. 10, lines 1-26. Note that in order to expand the compressed image data, the compression and expansion part 47 and 48 need to get compression data from the attribute code in file header).

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Takemoto in view of Sarbadhikari et al '264 cited by Applicants.

Takemoto et al discloses in Fig. 7, an electronic camera which comprises a memory medium includes program instructions for correlating processing and information (memory 33 contains file header which includes a coding system attribute code indicating whether or not the image data is compressed, and compression system if in the affirmative, col. 8, lines 50-63 and Fig. 10; note that the coding system attribute code is used in expanding processing to decompress compressed image signals from memory 33), comprising the steps of gathering the information using a capture device (image pickup device CCD 35 captures an image signal of an object via lens 37 and shutter 38, col. 7, line 8-10), building a data cell with a manager device, the data cell

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contains the processing data; linking the data cell to the information (system controller 46 coupled to the image pickup device 35, which works in conjunction with operation part 19 and memory controller 41, build and store compressed image data in a memory 33, wherein the memory 33 contains an area in which a coding system attribute code indicating whether or not the image data is compressed, and compression system if in the affirmative, col. 8, lines 50-63 and Fig. 10; note that the coding system attribute code is used to decompress the compressed data in reproduction mode, col. 8, lines 63+), and processing the information using the processing data within the data cell (compression and expansion part 47 and 48 coupled to the image pickup device 35 process the readout data from the memory in reproduction mode so as to expand the compressed image data for displaying, col. 8, lines 63-68, and col. 9, lines 33-68 and col. 10, lines 1-26. Note that in order to expand the compressed image data, the compression and expansion part 47 and 48 need to get compression data from the attribute code in file header), except for the computer-readable medium.

Takemoto et al does not explicitly disclose any computer-readable medium; however, Sarbadhikari et al teaches the use of removable memory card 3, wherein when the card 3 is connected to a computer 4, data information stored in the card can be read out and processed by the computer 4 (col. 4, lines 1-2 and Fig. 1). As a result, the image data stored in the memory card can be reproduced by the computer and displayed on a computer monitor, col. 4, lines 1-20.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made, to modify memory 33 of Takemoto et al so that data information of the

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memory 33 can be read by a computer as disclosed by Sarbadhikari et al because the modification of the memory of Sarbadhikari et al would provide the memory storing information data which can be reproduced and displayed by a computer.

3. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103© and potential 35 U.S.C. 102(f) or (g) prior art under 35 U.S.C. 103(a).

4. Claims 2-5, 7-10, 12-14 and 17-19 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The prior art of record fails to suggest or disclose a system for correlating processing data and information comprising a capture device, a manager device and processing device, wherein the manager device deletes selected processing data from the data cell after processing device has finished processing the information in claim 2; wherein the manager device makes a copy of the data cell and appends the copy to the information in claim 3; a method for correlating processing

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data and information comprising the steps of gathering, building, linking and processing wherein the step of deleting selected processing data from the data cell after the step of processing the information is finished in claim 7; wherein the step of making a copy of the data cell and appending the copy to the information in claim 8; a computer readable medium comprising program instructions for correlating processing data and information by performing the steps of gathering, building, linking and processing wherein the step of deleting selected processing data from the data cell after the step of processing the information is finished in claim 12; wherein the step of making a copy of the data cell and appending the copy to the information in claim 13; and a system for correlating processing data and information comprising means for gathering, means for building, means for linking and means for processing wherein the manager device deletes selected processing data from the data cell after the processing device has finished processing the information in claim 17; and wherein the manager device makes a copy of the data cell and appends the copy to the information in claim 18.

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Saito '729 discloses a digital electronic still camera automatically determining conditions of a memory cartridge.

Parulski et al '678 discloses an electronic still camera for capturing and categorizing images.

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Robert et al '459 discloses an electronic still video camera which provides a compatible format for a personal computer.

Anderson discloses a system and method for generating a contrast overlay as a focus assist from an imaging device.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to T. Ho whose telephone number is (703) 305-4943. The examiner can normally be reached on Mon-Fri from 8AM to 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, A. Faile, can be reached on (703) 305-4380. The fax phone number for this Group is (703) 308-5399.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.



A handwritten signature in black ink, appearing to read "T. Ho".

T. Ho

Patent Examiner

March 9, 1998